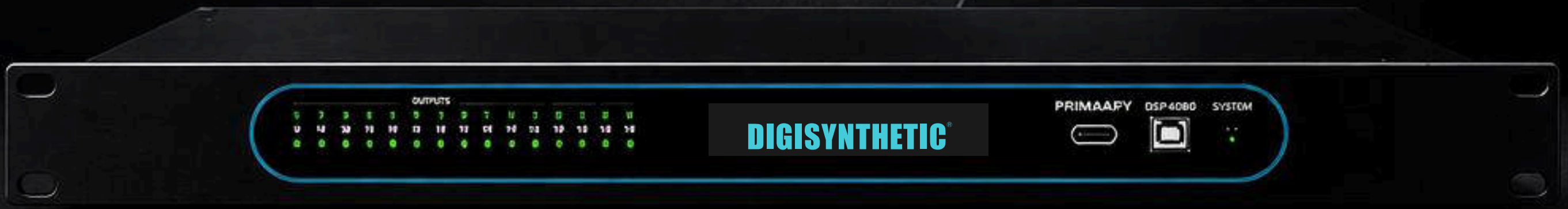


30 YEARS
DIGISYNTHETIC[®]

DIGISYNTHETIC[®] **2026**

PRODUCT BROCHURE



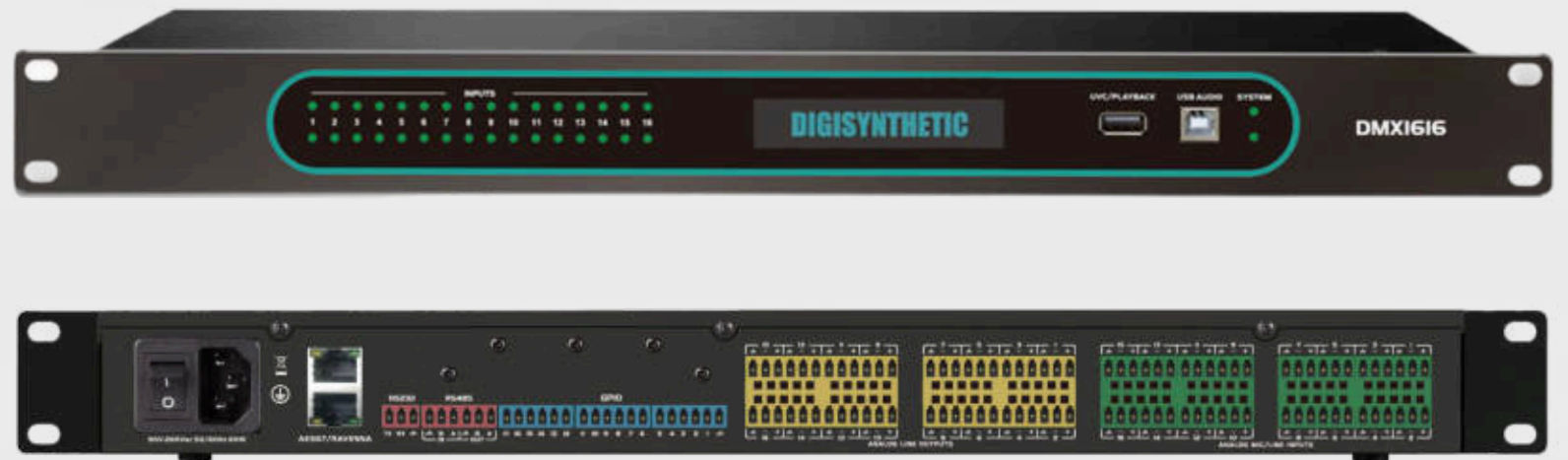
DMX Network Audio Matrix Series

AES67 DSP Matrix Processor






DMX1616



The DMX1616 network DSP audio matrix features 16×16 channels of ST2110/AES67 network connectivity and 16×16 analog Phoenix terminals (inputs with 48V phantom power), along with 2×2 UAC channels and 2×2 USB sound card interfaces. Equipped with AI noise reduction (5A algorithm) and other DSP functions, it supports USB recording/playback, USB sound card functionality, GPIO/RS485/232 control, and comes with GUI software. It also supports ST2022-7 redundancy.



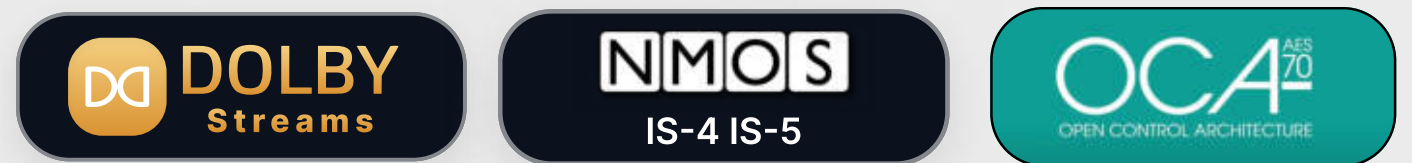
Product Features

				
16 × 16 Analog I/O	16 × 16 AES67	48V Phantom Power	AI+DSP 5A Algorithms	FIR 4096 Taps

Technical Specifications

<input checked="" type="checkbox"/> 48 kHz Sample Rate	<input checked="" type="checkbox"/> Seamless Redundancy
<input checked="" type="checkbox"/> 16 / 24 / 32-bit	<input checked="" type="checkbox"/> SMPTE ST2110-30
<input checked="" type="checkbox"/> USB Sound Card / UVC	<input checked="" type="checkbox"/> GPIO / RS-485






DMX0808



The DMX0808 network DSP audio matrix features 8×8 channels of ST2110/AES67 network connectivity and 8×8 analog Phoenix terminals (inputs with 48V phantom power), along with 2×2 UAC channels and 2×2 USB sound card interfaces. Equipped with AI noise reduction and 5A algorithm DSP processing, it supports USB recording/playback and sound card functionality, GPIO/RS485/232 control, and comes with GUI software. It also supports ST2022-7 redundancy. Ideal for professional conferencing, cinemas, broadcasting, and immersive audio applications.



Product Features

				
8 × 8 Analog I/O	8 × 8 AES67	48V Phantom Power	AI+DSP 5A Algorithms	FIR 4096 Taps

Technical Specifications

<input checked="" type="checkbox"/> 48 kHz Sample Rate	<input checked="" type="checkbox"/> Seamless Redundancy
<input checked="" type="checkbox"/> 16 / 24 / 32-bit	<input checked="" type="checkbox"/> SMPTE ST2110-30
<input checked="" type="checkbox"/> USB Sound Card / UVC	<input checked="" type="checkbox"/> GPIO / RS-485

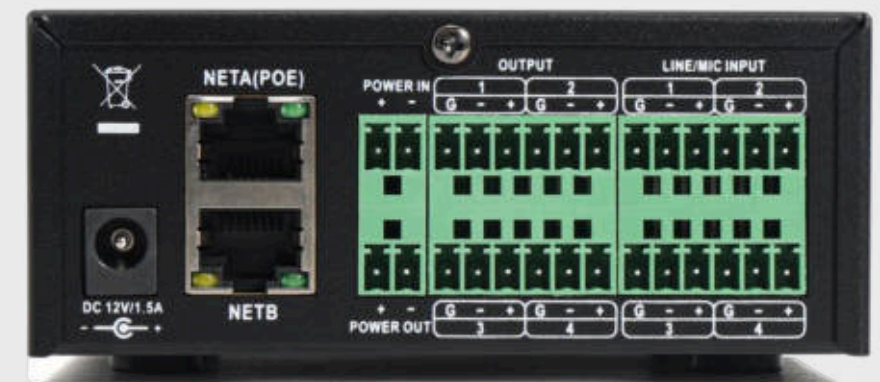
DMX Network Audio Matrix Series

AES67 DSP Matrix Processor

DMX208A

Update AI Noise Reduction Algorithm
AEC ANS AFC

The DMX208A 4×4 Network DSP Audio Matrix is a compact device specifically designed for high-end conferencing and professional sound reinforcement applications. It integrates 4 channels of analog input/output (Phoenix connectors, supporting 48V phantom power) and 4×4 AES67/ST2110-30 network audio channels, compatible with the Dante ecosystem. The built-in full-featured DSP engine supports echo cancellation, AI noise reduction, automatic gain control, and AI feedback suppression, while featuring 8×8 automatic mixing matrix. Its standout features include support for ST2022-7 seamless network redundancy and PoE power supply.



Product Features

4 × 4	4 × 4	48V	AI+DSP	FIR
Analog I/O	AES67	Phantom Power	5A Algorithms	4096 Taps

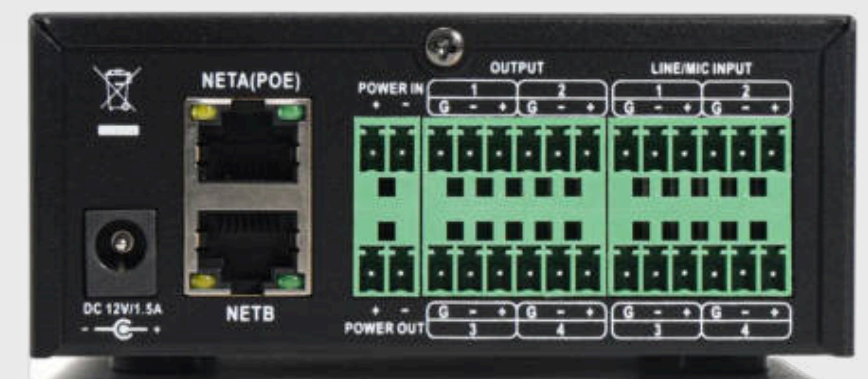
Technical Specifications

- ✓ 48 / 96 kHz Sample Rate
- ✓ Seamless Redundancy
- ✓ 16 / 24 / 32-bit
- ✓ SMPTE ST2110-30
- ✓ 110dB Dynamic Range
- ✓ 802.3af PoE Powered

DMX232

Update effect plugin
Echo Reverb

DMX232 32×32 Network DSP Mixing Matrix: Integrates 28×28 AES67/ST2110-30 network audio channels, supports ST2022-7 seamless network redundancy, and is equipped with 4×4 analog Phoenix terminals (48V phantom power). It features 32×32 intelligent automatic mixing and full functionality, compatible with 48kHz sampling. The device supports PoE power supply, ST2022-7 network redundancy, and OTA updates, housed in a compact 1/4U chassis. Paired with the free AES67LINK software, it efficiently adapts to professional conference audio scenarios.



Product Features

4 × 4	28 × 28	48V	Auto Mixing	32×32
Analog I/O	AES67	Phantom Power	Dual Mode	Mixing Matrix

Technical Specifications

- ✓ 48 kHz Sample Rate
- ✓ Seamless Redundancy
- ✓ 16 / 24 / 32-bit
- ✓ SMPTE ST2110-30
- ✓ 110dB Dynamic Range
- ✓ 802.3af PoE Powered

Neo Network IO Adapter Series

Cost-effective AES67 DSP Network IO Adapter

DMA02 Neo-IN

NEW

Converts 2 XLR analog balanced inputs to 2 AES67 network outputs, supporting ST2110-30 protocol; features a built-in 4x2 automatic mixing matrix and fully programmable DSP (EQ/compression/FIR, etc.) with ultra-low DSP and network processing latency; Aluminum alloy chassis supports PoE power and hot-swapping; paired with AES67LINK software for flexible routing configuration, ideal for professional conferencing, cinemas, recording studios, and immersive audio applications.



Product Features

				
2 x 0	2 x 2	<1 ms	DSP	FIR
Analog I/O	AES67	Latency	Processor	4096 Taps

Technical Specifications

<input checked="" type="checkbox"/> 48 kHz Sample Rate	<input checked="" type="checkbox"/> 0.005% @+4dBu, 1kHz
<input checked="" type="checkbox"/> 16 / 24 / 32-bit	<input checked="" type="checkbox"/> SMPTE ST2110-30
<input checked="" type="checkbox"/> 110dB Dynamic Range	<input checked="" type="checkbox"/> 802.3af PoE Powered

DMA02 Neo-OUT

NEW

Converts 2-channel AES67 network input to 2-channel XLR analog balanced output, supporting ST2110-30 protocol; built-in 2x4 automatic mixing matrix and fully programmable DSP (EQ/compression/FIR, etc.); ultra-low DSP and network processing latency; Aluminum alloy chassis, supports PoE power supply and hot-swapping; compatible with direct connection to Dolby processors, paired with AES67LINK software for flexible routing configuration, suitable for professional conferences, cinemas, recording studios, and immersive audio scenarios.



Product Features

				
0 x 2	2 x 2	<1 ms	DSP	FIR
Analog I/O	AES67	Latency	Processor	4096 Taps

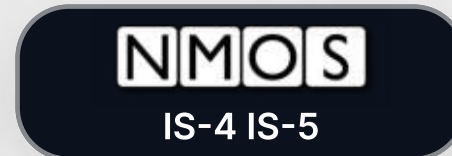
Technical Specifications

<input checked="" type="checkbox"/> 48 kHz Sample Rate	<input checked="" type="checkbox"/> 0.005% @+4dBu, 1kHz
<input checked="" type="checkbox"/> 16 / 24 / 32-bit	<input checked="" type="checkbox"/> SMPTE ST2110-30
<input checked="" type="checkbox"/> 110dB Dynamic Range	<input checked="" type="checkbox"/> 802.3af PoE Powered

DMA Network IO Adapter Series

High Performance AES67 DSP Network IO Adapter

DMA02-IN



Converts 2 XLR analog balanced inputs to 2 AES67 network outputs, supporting ST2110-30 protocol; built-in 4x2 automatic mixing matrix and fully programmable DSP (EQ/compression/FIR, etc.), with network latency $\leq 1\text{ms}$; Aluminum alloy chassis, supports PoE power supply; will update to NMOS and AES70 control standards, paired with AES67LINK software for flexible routing configuration, suitable for professional conference rooms, cinemas, recording studios, broadcasting, and immersive audio applications.



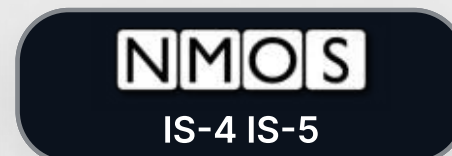
Product Features



Technical Specifications

- ✓ 48 / 96 kHz Sample Rate
- ✓ 0.005% @+4dBu, 1kHz
- ✓ 16 / 24 / 32-bit
- ✓ SMPTE ST2110-30
- ✓ 110dB Dynamic Range
- ✓ 802.3af PoE Powered

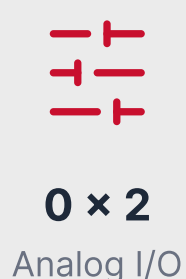
DMA02-OUT



Converts 2-channel AES67 network input to 2-channel XLR analog balanced output, supporting ST2110-30 protocol. Features a built-in 2x4 automatic mixing matrix and fully programmable DSP (EQ/compression/FIR, etc.), with network latency $\leq 1\text{ms}$. Aluminum alloy chassis, supports PoE power supply. Future updates will include NMOS and AES70 control standards. Compatible with direct connection to Dolby processors, paired with AES67LINK software for flexible routing and DSP configuration. Ideal for professional conferencing, cinemas, recording studios, broadcasting, and immersive audio applications.



Product Features



Technical Specifications

- ✓ 48 / 96 kHz Sample Rate
- ✓ 0.005% @+4dBu, 1kHz
- ✓ 16 / 24 / 32-bit
- ✓ SMPTE ST2110-30
- ✓ 110dB Dynamic Range
- ✓ 802.3af PoE Powered

USB Network USB Interface Series

Multi-channel AES67 USB Network Audio Interface

DMA128-USB **NEW**



>_ ALSA



The DMA128-USB is an ultra-high-capacity 128×128 channel USB 2.0 audio interface. It serves not only as a robust bridge between computers and AES67 networks but also as an efficient hub that breaks down protocol barriers. Featuring a dual-network port redundancy design, it ensures uncompromisingly stable transmission in any complex environment. Whether you're engaged in immersive audio production, professional conferencing systems, or high-end AV engineering—from Atmos mixing to large-scale conferences and broadcast system integration — it can handle it all with ease.



Product Features

128 × 128 USB IO	128 × 128 AES67	Redundancy ST2022-7	Drivers ALSA/ASIO CoreAduio	USB 2.0

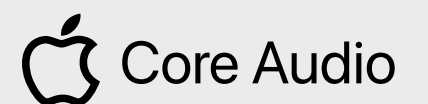
Technical Specifications

- ✓ 48 / 96 kHz Sample Rate
- ✓ Seamless Redundancy
- ✓ 16 / 24 / 32-bit
- ✓ SMPTE ST2110-30
- ✓ USB 2.0 Interface
- ✓ 802.3af PoE Powered

DMA32-USB



>_ ALSA



Put broadcast-grade AoIP product in your pocket! The DMA32-USB is not just an audio interface—it's your universal key to AES67/ST2110 networks. With 32×32 full-duplex channels and 96kHz/48kHz high resolution, it spans Windows, Mac, Linux, iOS, and Android platforms, offering plug-and-play convenience via a single USB cable. Whether for live sound reinforcement or immersive audio setups, it delivers ultimate portability and compatibility.



Product Features

32 × 32 USB IO	32 × 32 AES67	Interface Type-C	Drive ALSA/ASIO CoreAduio	USB 2.0

Technical Specifications

- ✓ 48 / 96 kHz Sample Rate
- ✓ Flexible Channel Configuration
- ✓ 16 / 24 / 32-bit
- ✓ SMPTE ST2110-30
- ✓ USB 2.0 Interface
- ✓ USB 5V Powered

HP Sound Capture Wand Series

PoE AES67 Network DSP Array Mic




HP-1 **NEW**



Highly integrated DSP array microphone with a built-in 9-unit MEMS microphone array utilizes powerful adaptive beamforming technology to achieve real-time precise sound pickup, AI algorithm intelligent feedback suppression, and background noise and environmental reverberation reduction. Optimized for local sound reinforcement, it effectively eliminates echo interference and enables high-power amplification without the need for complex tuning.

Product Features

 9 × MEMS Mic Array	 Cascade Rapid Deployment	 > 18dB Gain	 6 m Coverage Radius	 < 20 ms Latency
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Technical Specifications

- ✓ 48 kHz Sample Rate
- ✓ 802.3af PoE Powered
- ✓ 2.5 kg Net weight
- ✓ ≥70dB (A) SNR
- ✓ 200Hz-18kHz Freq. Resp.
- ✓ ANR 35dB

DLM Network Microphone Series

PoE AES67 Network DSP Conference Mic

DLM-003/004

The DLM-003 and DLM-004 are part of the same series of AoIP network DSP microphones, featuring a square tube design and a gooseneck design respectively. Both models are equipped with dual backplate condenser capsules, supporting AES67/ST2110 standards and PoE power supply. They incorporate high-performance DSP with integrated AEC, AFC, ANS, and AGC algorithms. Designed with analog backup channels, RFI shielding, and base shock absorption, these microphones are specifically engineered for professional broadcasting in complex acoustic environments.



Product Features

 4 × 0 Analog I/O	 4 × 4 AES67	 AGC Auto Gain Control	 AFC/AGC/ANS 5A Algorithms	 FIR 4096 Taps
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Technical Specifications

- ✓ 48 kHz Sample Rate
- ✓ 802.3af PoE Powered
- ✓ 105dB Dynamic Range
- ✓ ≤0.05% THD
- ✓ 50Hz-18kHz Freq. Resp.
- ✓ -36dB±2dB Sensitivity

DSV Network Constant Voltage Amp

70V / 100V Class-D AES67 Network Amplifier

DSV-1 **NEW**



The DSV-1 is a 4-channel digital power amplifier (1RU size) specifically designed for 70V/100V high-impedance distribution, featuring a lightweight and compact design, high power output, and high efficiency. It utilizes a switching power supply to deliver 350W ×4 channels (19.6 Ω output). Each channel is equipped with an independent amplifier module, ensuring electrical isolation from high-impedance speaker systems.

Product Features

 Class-D Constant Voltage	 4 × 350w Output Power	 AES67 Protocol	 Low-Noise Fan	 DSP Built-In
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Technical Specifications

- ✓ 48 / 96 kHz Sample Rate
- ✓ 4 Channels: 350 W × 4
- ✓ 20Hz–20kHz Freq. Resp.
- ✓ 2-Channel Bridged: 700 W × 2
- ✓ 100dB SNR
- ✓ 120 V / 240 V AC

DPanel Wall Panel Series

PoE Programmable Control Wall Panel

DPanel-4 **NEW**

67
PANEL

Browser-based Setup

Zero Software Needed



Technical Specifications

- ✓ Android 10 Operating System
- ✓ 802.3af PoE Powered
- ✓ 450 cd/m² Brightness
- ✓ AES67 Device Control
- ✓ 4.0-inch 480×RGB
- ✓ Capacitive Touchscreen

DLS Network Speaker Series

PoE AES67 Network DSP Conference Speaker

DLS-001/002

Two-way speaker system with ceiling/wall-mounted design, customizable colors and waterproof options. A fully digital network audio solution specifically designed for modern intelligent spaces. The system deeply integrates AES67 and SMPTE ST2110-30 network audio standards, enabling simultaneous power and control data transmission through a single Ethernet cable. Equipped with a built-in high-performance DSP processing engine, the DLS series delivers ultra-low latency and high-fidelity audio experiences for conference rooms, command centers, and broadcasting environments.



Product Features

Technical Specifications



4 × 4
Mix Matrix



PoE
Single Port PoE



AES67
Protocol



DSP
Built-In



FIR
4096 Taps

✓ 48 / 96 kHz Sample Rate

✓ 70Hz–20kHz Freq. Resp.

✓ 55W Peak Power

✓ 8Ω Unit Impedance

✓ 90dB Sensitivity

✓ 802.3af/at/bt Powered

DLS-403Z /425Z

Technical Specifications

✓ 48 / 96 kHz Sample Rate

✓ 106Hz–20kHz Freq. Resp.

✓ 55W Peak Power

✓ 8Ω Unit Impedance

✓ 93dB Sensitivity

✓ 802.3af/at/bt Powered

Product Features



4 × 4
Mix Matrix



PoE
Single Port PoE



AES67
Protocol



DSP
Built-In



FIR
4096 Taps



CORE AES67 Audio Station






High-Performance AES67 Audio Server

CORE-1024

Highly customized chassis design and enterprise-grade CPU architecture, a pure IT-level audio streaming control (AV&C) processing engine specifically built for large-scale mission-critical tasks. It delivers exceptional computing power while maintaining the flexibility and scalability of IT architecture with outstanding cost-effectiveness. Designed for high-density scenarios such as large conference centers, transportation hubs, and stadiums, it supports ultra-large-scale network audio channel mixing and routing processing up to 1024x1024, along with a massive DSP resource pool (supporting numerous parallel AEC instances), effortlessly meeting ultra-high-density concurrent processing demands.



Product Features

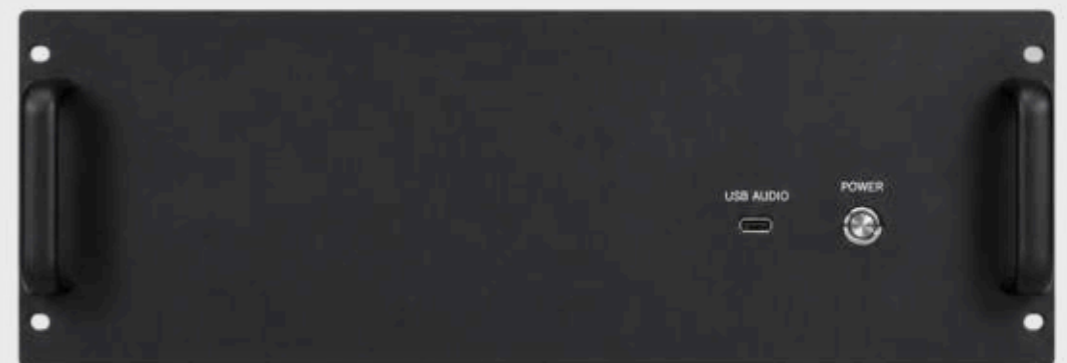
				
32 x 32	1024 x 1024	AI	AEC	FIR
USB Interface	Mix Matrix	Noise Reduction	160 Channels	4096 Taps

Technical Specifications






- ✓ 48 kHz Sample Rate
- ✓ 2 x 2.5 GbE Ports
- ✓ Driverless USB Interface
- ✓ Hot Swap PSU
- ✓ 4RU Chassis
- ✓ Seamless Redundancy

CORE-256

Multi core CPUs and a lean embedded Linux keep processing latency very low while delivering strong performance. Built for broadcast grade reliability, it offers optional dual host backup, dual network ports with seamless redundancy, and dual redundant power supplies for 24/7 operation. Natively supports AES67/ST2110 audio streams and is compatible with Dante and Q-SYS systems. Ideal for large PA systems and professional conference rooms.



Product Features

				
32 x 32	256 x 256	AI	AEC	FIR
USB Interface	Mix Matrix	Noise Reduction	60 Channels	4096 Taps

Technical Specifications

- ✓ 48 kHz Sample Rate
- ✓ Optional: 2 x 1GbE Ports
- ✓ Driverless USB Interface
- ✓ Seamless Redundancy
- ✓ 4RU Chassis
- ✓ Optional: Hot Swap PSU

AES67 Software Solutions

Download more: docs.digisynthetic.com



SoundNet®

RAVENNA
AES67 & ST 2110 built-in



AES67 LINK Controller

AES67 LINK Controller is a license-free configuration tool for core routing. Within a local area network (LAN), click to create multicast streams for seamless digital audio.



OPEN SOURCE

AoIP Stream Monitor

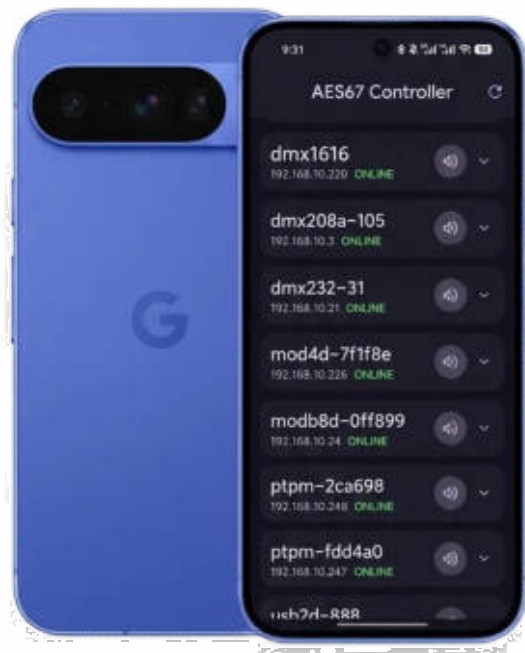
AES67 & ST2110-30 monitoring

Instantly visualize audio levels and stream info for rapid engineering diagnostics."



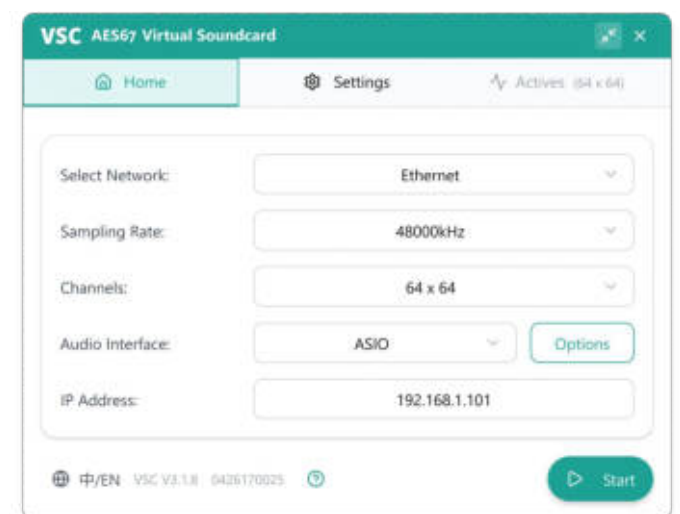
AES67 Mobile App

Portable AES67 Control



AES67 Virtual Sound Card

Turn Windows, Mac, and Linux into AES67 audio workstations



AES67 ADMINISTRATOR

Free to Use



Centralized Control

Containerized deployment, no architecture constraints, and a unified web interface for easy management.



Secure & Reliable

Role-Based Access Control (RBAC), audit logs, and secure communication.



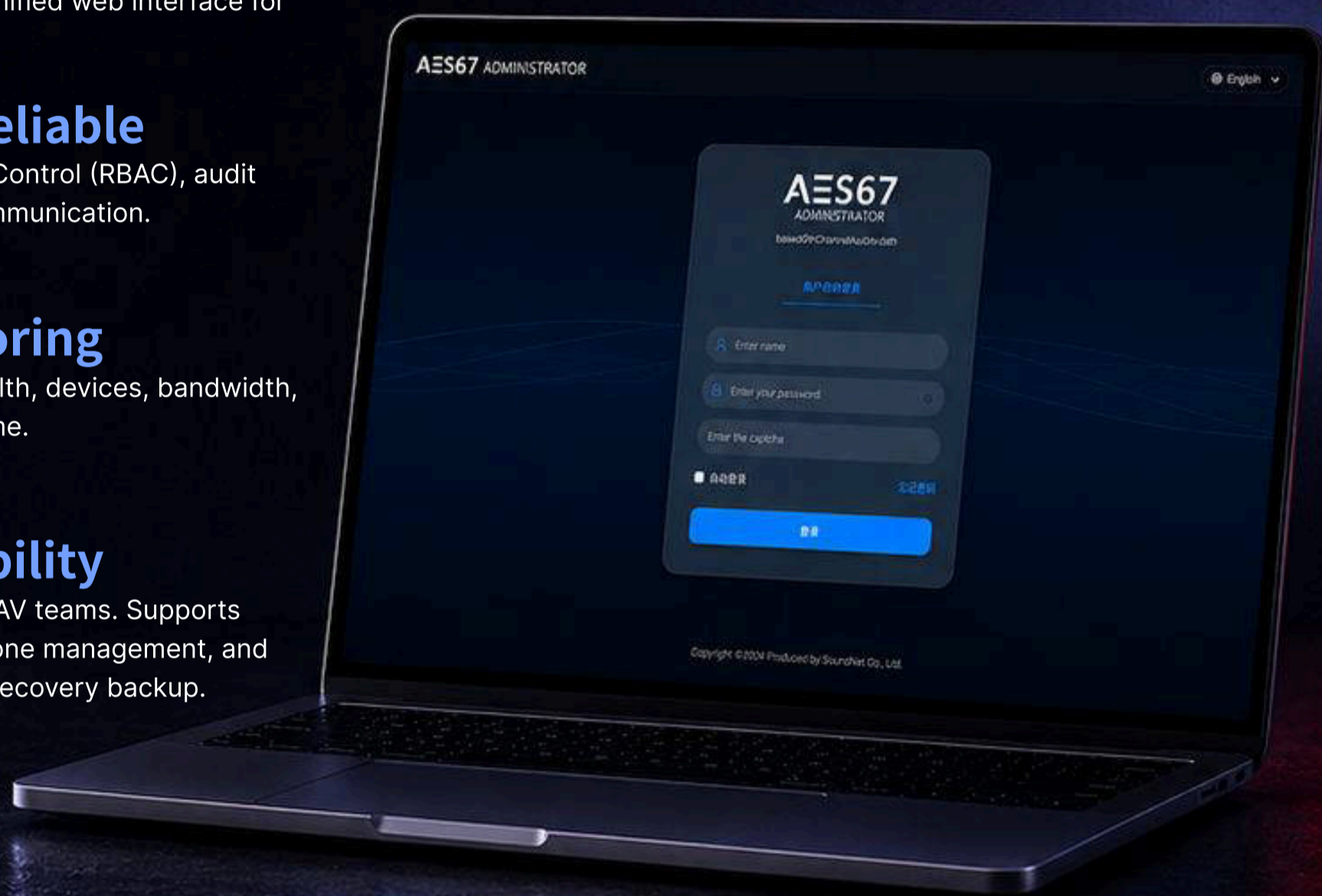
Live Monitoring

Monitor network health, devices, bandwidth, and events in real time.



Easy Scalability

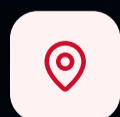
Designed for IT and AV teams. Supports cross-site scaling, zone management, and automated disaster recovery backup.



POWERED BY

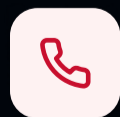


Digisynthetic Co., Ltd.



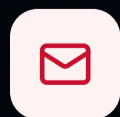
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Channels

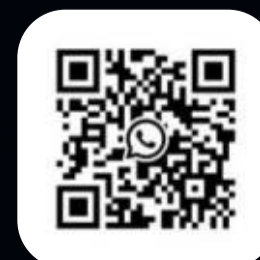


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DIGISYNTHETIC



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802736890



Taobao
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